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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 1 of 2

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|------------------------|----------------------|
| Application Number     | 09/989,583           |
| Filing Date            | November 20, 2001    |
| First Named Inventor   | Stephen Todd         |
| Art Unit               | 2152                 |
| Examiner Name          | Victor D. Lesniewski |
| Attorney Docket Number | EMC-033PUS           |

| U. S. PATENT DOCUMENTS         |                       |   |                                |  |   |
|--------------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials <sup>a</sup> | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| VL                             |                       | US- 20030135385   | 07/17/2003                     | Karpoff  |   |
|                                |                       | US- 5,835,724   | 11/10/1998                     | Smith  |   |
|                                |                       | US- 6,829,685   | 12/07/2004                     | Neal et al.  |   |
|                                |                       | US- 20020112113   | 08/15/2002                     | Karpoff et al.                                     |   |
|                                |                       | US- 6,826,580   | 11/30/2004                     | Harris et al.                                      |   |
|                                |                       | US- 6,788,649   | 09/07/2004                     | Dugan et al.                                       |   |
|                                |                       | US- 5,822,780   | 10/13/1998                     | Schutzman  |   |
|                                |                       | US- 5,550,816   | 08/27/1996                     | Hardwick et al.                                    |   |
|                                |                       | US- 6,795,830   | 09/21/2004                     | Banerjee et al.                                    |   |
|                                |                       | US- 6,615,258   | 09/02/2003                     | Barry et al.                                       |   |
|                                |                       | US- 6,785,794   | 08/31/2004                     | Chase et al.                                       |   |
|                                |                       | US- 6,845,154   | 01/18/2005                     | Cave et al.  |   |
|                                |                       | US- 6,993,632   | 01/31/2006                     | Kruckemyer et al.                                  |   |
|                                |                       | US- 6,411,943   | 06/25/2002                     | Crawford   |   |
|                                |                       | US- 6,345,288   | 02/05/2002                     | Reed et al.  |   |
|                                |                       | US- 5,918,229   | 06/29/1999                     | Davis et al.                                       |   |
|                                |                       | US- 5,978,577   | 11/02/1999                     | Rierden et al.                                     |   |
|                                |                       | US- 6,430,611   | 08/06/2002                     | Kita et al.  |   |
|                                |                       | US- 20020095547   | 07/18/2002                     | Watanabe et al.                                    |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |                |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |   |   |                |
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| Examiner Signature | /Victor Lesniewski/ | Date Considered | 12/06/2006 |
|--------------------|---------------------|-----------------|------------|

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Sheet 2 of 2

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
| VL                 |                       | "HighGround SRM Enterprise Edition 4.0", System News, Article #3577, Vol. 38, Issue 3, 8 pages, April 16, 2001.   |                |
| VL                 |                       | "New SRM 3.0 Enterprise Edition Now Downloadable", Sunbelt W2Knews Electronic Newsletter, 7 pages, November 5, 1998.  |                |
| VL                 |                       | "Storage Management Best Practices with Sun HighGround Storage Resource Manager Software", Sun Microsystems White Paper, 18 pages, July 2001.   |                |
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| Examiner Signature | /Victor Lesniewski/ | Date Considered | 12/06/2006 |
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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